

<b>Notice of Allowability</b>	<b>Application No.</b>	<b>Applicant(s)</b>	
	09/483,182	CHEN, LI-WEN	
	Examiner Ella Colbert	Art Unit 3624	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS**. This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1.  This communication is responsive to 06 November 2006.
2.  The allowed claim(s) is/are 1-6,40,41,47-51 and 57-61.
3.  Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a)  All
  - b)  Some\*
  - c)  None
  1.  Certified copies of the priority documents have been received.
  2.  Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3.  Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.  
**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4.  A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5.  CORRECTED DRAWINGS ( as "replacement sheets") must be submitted.
  - (a)  including changes required by the Notice of Draftsperson's Patent Drawing Review ( PTO-948) attached
    - 1)  hereto or 2)  to Paper No./Mail Date \_\_\_\_\_.
  - (b)  including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6.  DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

#### Attachment(s)

1.  Notice of References Cited (PTO-892)
2.  Notice of Draftsperson's Patent Drawing Review (PTO-948)
3.  Information Disclosure Statements (PTO-1449 or PTO/SB/08),  
Paper No./Mail Date \_\_\_\_\_
4.  Examiner's Comment Regarding Requirement for Deposit  
of Biological Material
5.  Notice of Informal Patent Application (PTO-152)
6.  Interview Summary (PTO-413),  
Paper No./Mail Date 31 January 2007.
7.  Examiner's Amendment/Comment
8.  Examiner's Statement of Reasons for Allowance
9.  Other Interview Summary attached.

**DETAILED ACTION**

1. Claims 1-6, 40, 41, 47-51, and 57-61 are pending. Claims 1, 47 and 57 have been amended in this communication filed 11/06/06 entered as Response to Non-Final Action.

**Examiner's Amendment**

2. The Examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to Applicants', an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of each a amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this Examiner's amendment was given in a telephone communication and by e-mail by Mr. Justas Geringson on 31 January 2007.

**Amendment to Specification**

[0001] U.S. Provisional Patent Application Serial No. 60/116,016 Li-Wen Chen entitled, "METHOD AND APPARATUS FOR PROCESSING CUSTOMER DATA FOR OLAP INTEGRATION AND APPLICATION INTEGRATION BASED ON REVERSE STAR SCHEMA," (Attorney Docket Number 19608-000200US) filed January 15, 1999.

[0002] The following commonly-owned co-pending applications, including this one, are being filed concurrently and the others are hereby incorporated by reference in their entirety for all purposes:

[0003] 1. U.S. Patent Application Serial No. 09/483,385, Li-Wen Chen entitled, "METHOD FOR VISUALIZING INFORMATION IN A DATA WAREHOUSING ENVIRONMENT," (Attorney Docket Number 52719.00006) pending;

[0004] 2. U.S. Patent Application Serial No. 09/483,182, Li-Wen Chen entitled, "APPARATUS FOR VISUALIZING INFORMATION IN A DATA WAREHOUSING ENVIRONMENT," (Attorney Docket Number 52719.00008); and

3. U.S. Patent Application Serial No. 09/483,386, Li-Wen Chen entitled, "SYSTEM FOR VISUALIZING INFORMATION IN A DATA WAREHOUSING ENVIRONMENT,"  
~~(Attorney Docket Number 19608-000230US)~~ issued as U.S. Patent No. 7,007,029.

***Allowable Subject Matter***

3. Claims 1-6, 40, 41, 47-51, and 57-61 are allowed.

The following is an examiner's statement of reasons for allowance: Claims 1, 47, and 57 with an apparatus, a computer implemented method, and a computer readable medium for receiving a definition of a reverse star schema meta model and generating a data warehouse populated with information from a source database according with the reverse star schema meta-model was not disclosed by, would not have been obvious over, nor fairly suggested by the prior art of record.

Claims 2-6, 40, 41, 48-51, and 58-61 are also allowed because of their dependency on an allowed base claim.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

***Conclusion***

4. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Rauer et al (US 6,161,103) discloses creating aggregates to be used in a datamart.

Art Unit: 3694

W. H. Inmon, "The Data Warehouse and Data Mining".

Charles Bontempo and George Zagelow, "The IBM Data Warehouse Architecture".

Business Wire, "SelectStar Ships StarTrieve Version 1.5; Relational OLAP Tool Offers Power And Simplicity".

Michael Krippendorf and Il-Yeol Song, "The Translation of Star Schema into Entity-Relationship Diagrams".

#### **Inquiries**

5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Ella Colbert whose telephone number is 571-272-6741. The examiner can normally be reached on Monday, Tuesday, and Thursday, 5:30AM-3:00PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, James Trammell can be reached on 571-272-6712. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Art Unit: 3694

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

February 3, 2007



ELLA COLBERT  
PRIMARY EXAMINER